

```

//[古老的密碼/Ancient Cipher]
#define IN "P0403IN.txt"
#define OUT "P0403OUT.txt"
/*****
#include <iostream>
#include <time.h>
using namespace std;
void redir(void);
/*****
/* Work Space*/
#include <algorithm>

/*****
int main(void)
{
    redir(); //redirection
/*****
/* Work Space*/
    char stringA[101], stringB[101];
    int countA[26], countB[26];
    int len;
    int i;
    bool ans;

    while(cin >> stringA){
        cin >> stringB;
        for(i=0; i<26; i++){
            countA[i] = countB[i] = 0;
        }

        len = strlen(stringA);
        for(i=0; i<len; i++){
            countA[stringA[i] - 'A']++;
            countB[stringB[i] - 'A']++;
        }

        sort(countA, countA+26); //sort A[0], A[1], ..., A[25]
        sort(countB, countB+26); //sort B[0], B[1], ..., B[25]

        ans = true;
        for(i=0; i<26; i++){
            if(countA[i] != countB[i]){
                ans = false;
                break;
            }
        }

        cout << (ans ? "YES" : "NO") << endl;
    }
/*****
    freopen("CON", "r", stdin); //取消重新導向
    freopen("CON", "w", stdout);

    printf("Time used = %.2f\n", (double)clock()/CLK_TCK); //傳回程式目前為止執行的時間

    system("pause");
    return 0; //the end...
}

void redir(void)
{
    freopen(IN, "r", stdin);
    freopen(OUT, "w", stdout);

```

```
}  
//*****  
/* Work Space*/  
//Input(IN) Sample  
/*  
JWPUDJSTVP  
VICTORIOUS  
MAMA  
ROME  
HAHA  
HEHE  
AAA  
AAA  
NEERCISTHEBEST  
SECRETMESSAGES  
*/
```